## In the Claims:

Please amend the claims as indicated hereafter.

## 1. (Currently Amended) A network router, comprising:

a layer 1 portion having a first communication interface and a second communication interface, said first communication interface configured to communicate with a first network over a first data path and said second communication interface configured to communicate with a second network over a second data path:

## a layer 2 portion;

a layer 3 portion having a routing table <u>specifying</u>, for a particular destination, a data path <u>from said layer 3 portion to said layer 2 portion</u>, said layer 3 portion configured to provide a plurality of data packets destined for [[a]] <u>the</u> particular destination <u>and to route through said data</u> path each of said data packets based on said routing table; and

a layer-2-portion-configured to interface at least-one-of-said-data packets with said-first communication interface; and

switching logic configured to automatically initiate a layer 2 switch such that said layer 2 portion begins to interface said data packets with said second communication interface in lieu of said first communication interface, wherein said layer 2 switch is transparent to said layer 3 portion, and wherein said layer 2 portion is configured to interface at least one of said data packets with said first communication interface prior to said layer 2 switch.

- 2. (Currently Amended) The router of claim 1, where said switching logic is configured to automatically initiate said layer 2 switch in response to a detection of an error condition associated with said first data path, and wherein said switching logic is further configured to automatically initiate another layer 2 switch, in response to a detection that said error condition is resolved, such that said layer 2 portion begins to interface said data packets with said first communication interface in lieu of said second communication interface.
- (Original) The router of claim 1, wherein said second communication interface is configured to communicate using point-to-point protocol (PPP).
  - 4. (Original) The router of claim 1, wherein said first data path comprises a T1 link.
- (Original) The router of claim 4, wherein said second communication interface comprises a modern.

- 6. (Currently Amended) A network router, comprising:
- a first layer 3 protocol stack configured to provide a plurality of data packets to be transmitted by said router to a particular destination, the layer 3 protocol stack having a routing table specifying, for said particular destination, a data path for routing said plurality of data packets, the layer 3 protocol stack configured to insert, into each of said plurality of data packets, route information indicative of said data path based on said routing table;
  - a second first layer 2 protocol stack;
  - a third second layer 2 protocol stack;
- a plurality of <u>layer 3</u> network interfaces configured to receive data packets from said first <u>layer 3</u> protocol stack, wherein said first <u>layer 3</u> protocol stack is configured to provide each of said <u>plurality</u> of data packets to one of said <u>layer 3</u> network interfaces; and

layer 2 switching logic configured to receive each of said plurality of data packets from said one layer 3 network interface, said layer 2 switching logic configured to provide at least one of said plurality of data packets to said second first layer 2 protocol stack such that said at least one of said plurality of data packets is transmitted via a primary network, said layer 2 switching logic configured to perform a layer 2 switch and to-provide, in response to a detection of an error condition, condition such that said layer 2 switching logic provides, in response to said detection, at least one other of said plurality of said data packets to said third second layer 2 protocol stack such that said at least one other of said plurality of data packets is transmitted via a secondary network, wherein said layer 2 switch is transparent to said layer 3 protocol stack.

7. (Currently Amended) The system of claim 6, further comprising:

a first communication interface configured to transmit, over a first data path said primary network to said particular destination, each of said plurality of data packets provided to said seeond first layer 2 protocol stack; and

a second communication interface configured to transmit, over a second data path <u>said</u>

<u>secondary network</u> to said particular destination, each of said plurality of data packets provided to said third second layer 2 protocol stack.

- (Original) The system of claim 7, wherein said protocol stacks, said network interfaces, said switching logic, and said communication interfaces are each integrated within a housing unit.
  - 9. (Canceled)
- 10. (Currently Amended) The router of claim 6, wherein said <u>layer 2</u> switching logic is configured to provide at least one of said plurality of data packets to said second <u>first layer 2</u> protocol stack in response to a determination that said error condition has been resolved.

11. (Currently Amended) A method for use in a network router, comprising the steps of: providing, from a layer 3 portion of said network router, data packets destined for a particular destination, said layer 3 portion including a routing table specifying route information for said data packets:

inserting said route information into each of said data packets;

interfacing a first plurality of said data packets with a first communication interface of a laver 1 portion of said network router:

communicating said first plurality of data packets from said first communication interface over a primary data path;

detecting an error condition associated with said primary data path;

automatically performing a layer 2 switch in response to said error condition;

interfacing, in response to said layer 2 switch, a second plurality of said data packets with a second communication interface of said layer 1 portion; and

communicating said second plurality of data packets from said second communication interface over a backup data path,

wherein said layer 2 switch is transparent to said layer 3 portion.

12. (Original) The method of claim 11, further comprising the steps of:

automatically initiating a second layer 2 switch in response to a detection that said error condition has been resolved:

interfacing, in response to said second layer 2 switch, a third plurality of said data packets with said first communication interface; and

communicating said third plurality of data packets from said first communication interface over said primary data path.

- (Original) The method of claim 11, wherein said communicating said second plurality of data packets is performed using point-to-point protocol (PPP).
- (Original) The method of claim 11, wherein said second communication interface comprises a modem.
- (Original) The method of claim 14, wherein said primary data path comprises a T1
- 16. (Currently Amended) A method for use in a network router, comprising the steps of: using a layer 3 protocol stack within said network router to provide a plurality of data packets destined for a particular destination, said layer 3 protocol stack including a routing table specifying route information for said plurality of data packets;

inserting said route information into each of said plurality of data packets;

transmitting said data packets from a first layer 1 communication interface over a primary data path and from a second layer 1 communication interface over a backup data path;

transmitting each of said data packets to one of a plurality of layer 3 network interfaces within said network router;

detecting an error condition associated with said primary data path;

transmitting said data packets from said one layer 3 network interface to a plurality of layer 2 protocol stacks within said network router; and

controlling which of said layer 2 protocol stacks receives each of said data packets based on said detecting step without updating said layer 3 protocol stack based on said detecting step, wherein each of said data packets received by a first one of said layer 2 protocol stacks is transmitted over said primary data path and each of said data packets received by a second one of said layer 2 protocol stacks is transmitted over said backup data path.

17. (New) The router of claim 1, wherein said layer 3 portion is configured to insert, into each of said data packets, the same route information based on said routing table.